



Windows 10 Mobile (LUMIA)

Community Group

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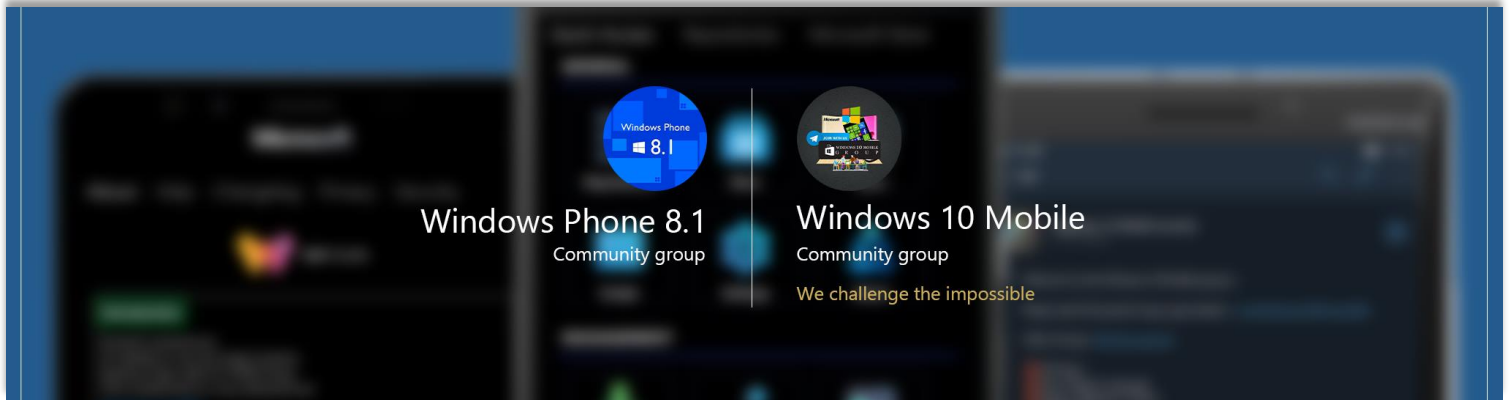


# HOW TO DOWNLOAD FFU & EMERGENCY FILES OF WINDOWS PHONES

MULTIPLE-METHODS

## Requirements

- ❖ A Windows PC (Minimum: Windows 7 SP1 | Recommended: Windows 8 & above)



## W10M Group YouTube Channel



YOUTUBE



Apart from these documented Guides, we have started the roll up of **Video Versions** of each guide in our YouTube Channel. Don't forget to **like** and **subscribe**!

## How to Unlock SPEC-B Bootloader LUMIA Devices




YOUTUBE

Part of this guide will explain how to download your device FFU & emergency files.

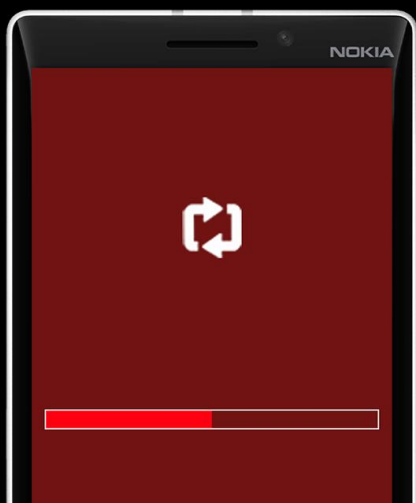


Windows 10 Mobile  
Community group  
*We challenge the impossible*



# UNLOCK SPEC-B BOOTLOADER LUMIA DEVICES

- > *What is Bootloader Unlock & all about it*
- > *Complete SPEC-B Bootloader Unlock process*
- > *OPTIONAL: Enable Root Access*
- > *REVERT: How to re-lock bootloader if needed*

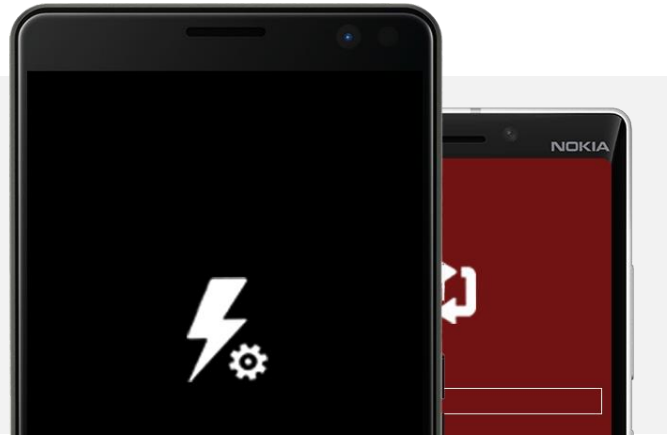




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# ***DOWNLOAD DEVICE FFU & EMERGENCIES***

*Multiple methods*



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## Introduction

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*What are FFU & Emergency files?*

**FFU (Full Flash Update)** files are the firmware packages of Windows Phone devices.

Almost every Windows Phone device ever released has at least one of those.

FFU files are used to completely erase the device software and reinstall it, that means a complete wipe of data.

The **Emergency files** are more complicated stuff than FFUs.

Only LUMIA devices have emergency files.

When a device is bricked beyond recovering via a simple FFU flash, that is where these emergency files are used.

They can re-write device details & bootloader in its own EDL mode and due to that, be extremely sure to use ones that are created just for the model of your phone.

*Do I really need to have these files?*

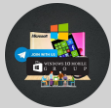
If you love the devices you use, then **yes of course!**

By having these files, you can freshly start anytime or even un-brick your devices yourself (*With some help from a guide*)

*Are there multiple methods to get these?*

Yes, there are multiple methods to get these files.

We will show you the most **reliable** ones in this guide.



## Preparations

### Download Windows Phone Internals



GITHUB



W.U.T

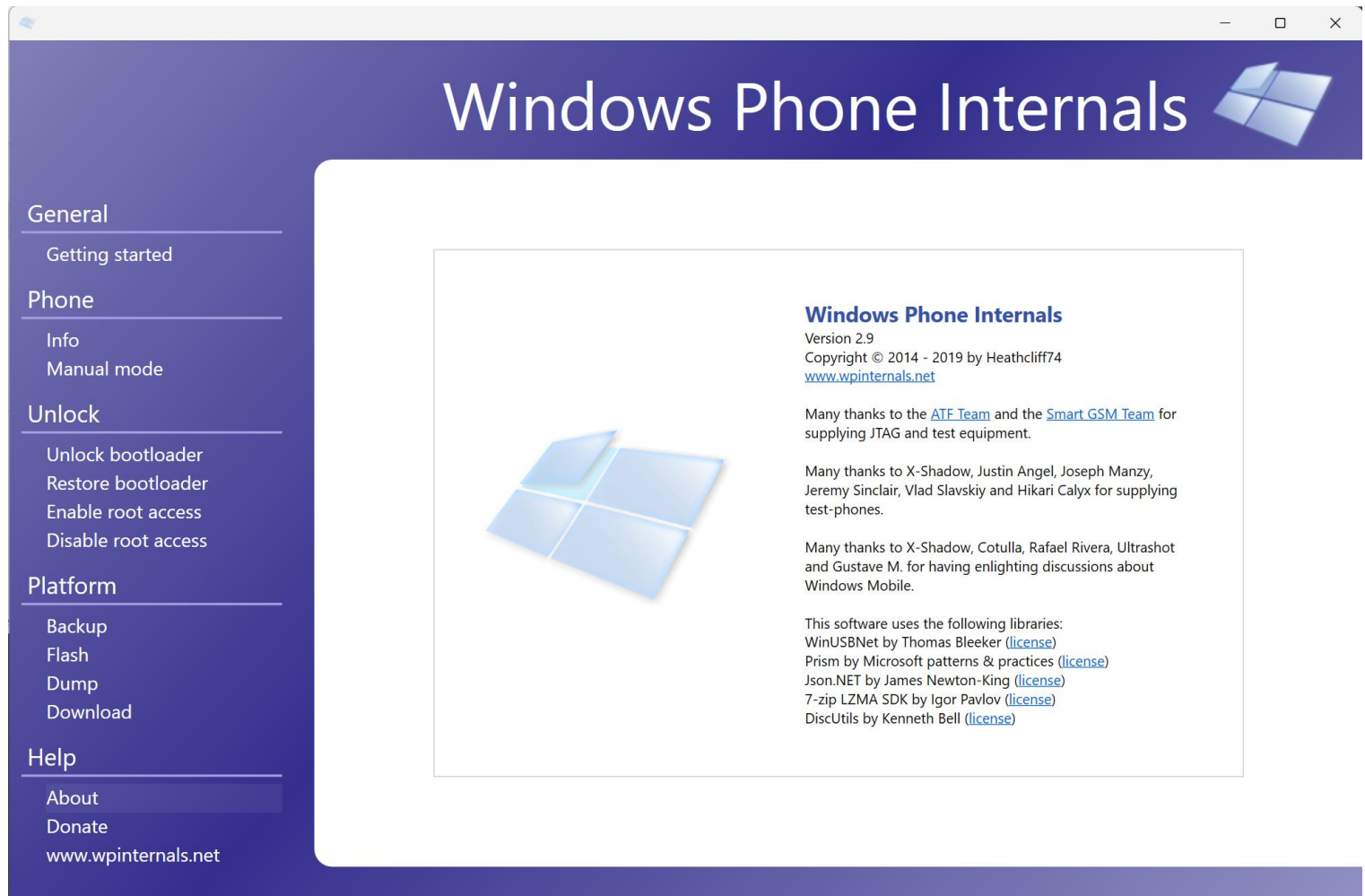


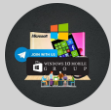
MEGA

#### | TIP

There is no installation of this software.

Just extract all the files & run *WPInternals* executable.





## Know your device identifiers (RM & Product Codes)

---

Every NOKIA / Microsoft LUMIA device has two identifiers, **RM CODE** & **PRODUCT CODE**.

These codes are used to identify the device & it's intended firmware.

### *What is RM CODE?*

The **RM CODE** can be used to determine which model your phone is.

Usually, one phone model will have different varieties intended for different regions or Mobile operators.

This can be identified using RM CODE.

### *What is PRODUCT CODE?*

The **PRODUCT CODE** can be used to determine which software is installed in your device.

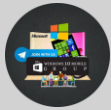
Usually, a device will have different software for different regions where the device is assembled/sold because the software in the phone have to match the countries language, time & should have suitable apps as per the country & etc...

These different software versions are classed using Product Codes.

### *Why should I know these?*

If you are to download your device FFU & Emergency files, you must know these as these are the keys if you are to get those files for your device.

It is mandatory to know these if you are to get correct support for your model!

**SO, how do I find this 'RM code' & 'Product code' of the windows phone I have?****1. Through physical resources**

You can find the RM & Product Code of your device in either any of the below places;

- OEM Box of the Device.
- Printed in back of the Device. (In the back housing behind the back cover)
- Printed in SIM slot.

**2. Through Software details**

You can use 'Windows Phone Internals' applications to get these codes for your device.

For that;

- > Connect your Windows Phone to your PC using USB Connection
- > Open Windows Phone internals applications in your PC.
- > The startup page will have both of these values (See example picture)

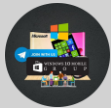
**General info**

Brand / model	Nokia Lumia	RM-1085	12742
Operating mode	Normal (Windows Phone OS)		
Product code	059X4T0		
Operator	000-88		
Firmware version	01078.00053.16236.35018		

This is Phone Model Type (RM Code)

This is the phone Product Code

Take a note of these two values!

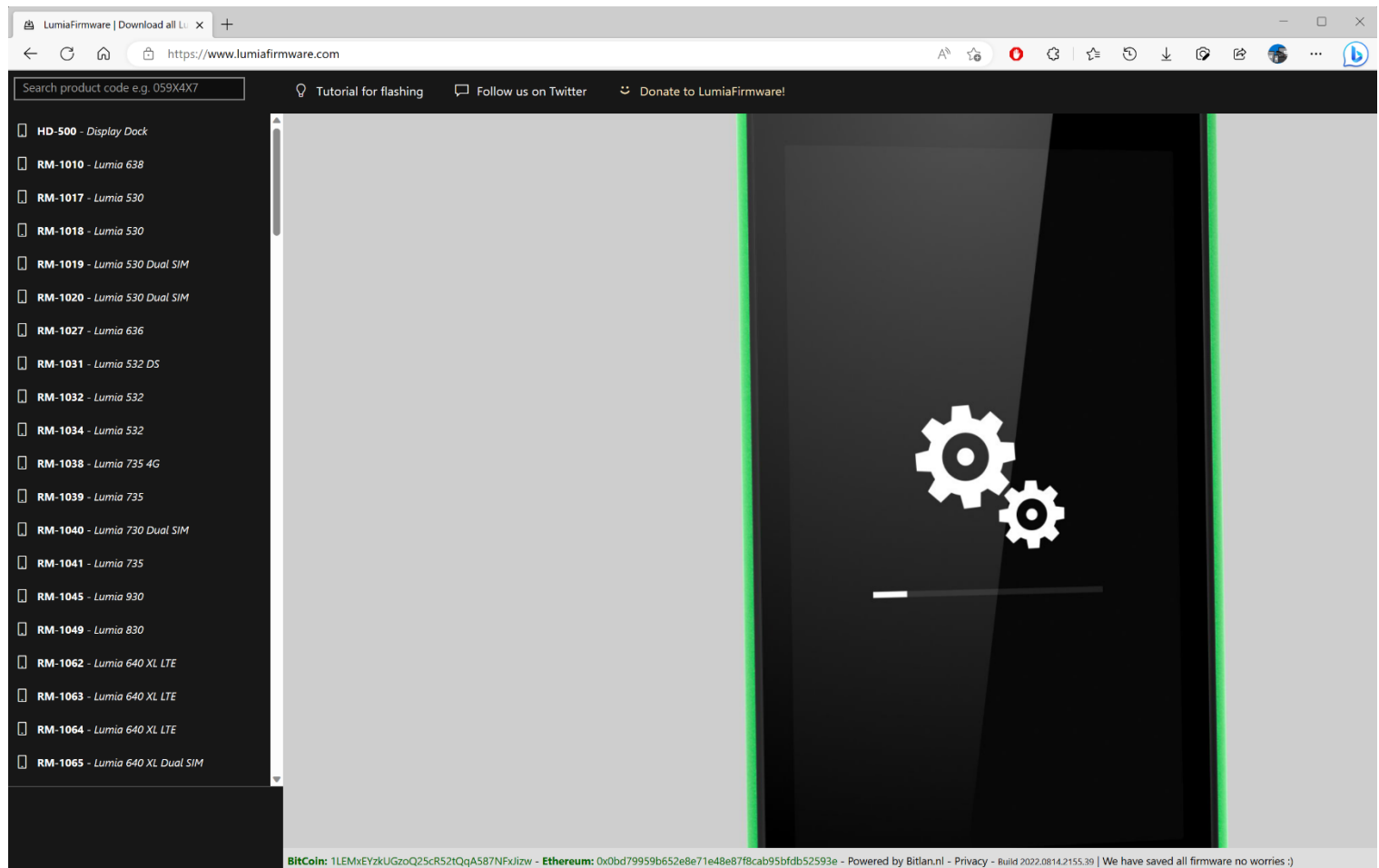


## Download Device FFU package

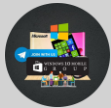
There are several ways to obtain this for your Windows Phone.

You can follow either any of the below methods.

1. [Windows Phone Internals \[DEPRECATED\]](#)
2. [LumiaFirmware.com](#)
3. [Windows Device Recovery Tool \[DEPRECATED\]](#)
4. [Cellomania.com \[DEPRECATED\]](#)
5. [Archive.org](#)







## Download FFU: Windows Phone Internals [DEPRECATED]

LUMIA EXCLUSIVE

**NOTE: The 'Download' feature in Windows Phone Internals is now deprecated, hence this method no longer works.**

- > Connect your LUMIA device to PC using a USB Connection.
- > Open 'Windows Phone Internals' applications.
- > Click on the 'Downloads' section & scroll to the bottom.

**Model**

When you choose "Download all", Windows Phone Internals will download an FFU-file and emergency-files for your phone. When the FFU-file is downloaded, it will be analyzed. And if the OS-version is not a supported version, then Windows Phone Internals will start to download another FFU-file, which should have a supported OS-version. It will be for a different model, but Windows Phone Internals needs it extract some files from it.

When you connect your phone, the search criteria will be detected automatically. For some older Lumia models this may not work when the phone is in Flash mode. To get the exact search criteria, you need to switch the phone to Normal mode first.

In some cases the emergency files cannot be found and you will need to download the emergency files yourself. This [google search](#) may yield some relevant results.

For some older Lumia models the operatorcode search criterion doesn't work. Your search may not yield any results when use the Operatorcode search criterion. You should use the Productcode to find the files for your exact model.

Producttype

Productcode

Operatorcode

Search results:

Name	Size
<div></div>	

> Usually if the device is connected, these boxes should be automatically filled, so you just have to search & download.

If it is not filled, then fill it according to the device RM & Product Codes which we identified earlier.

*(OperatorCode is not mandatory, you can fill it or leave it empty)*

Producttype

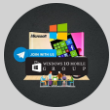
Productcode

Operatorcode

Type your Device RM Number

Type your Device Product Code





> Once the values are filled, click Search

Producttype	<input type="text" value="RM-1085"/>	<input type="button" value="Search"/>	<input type="button" value="Download all"/>
Productcode	<input type="text" value="059X4T0"/>		
Operatorcode	<input type="text" value="000-88"/>		

*(Use the codes for your device, don't use these codes)*

> Once the files are detected and is shown in the table, click 'Download all'

Producttype	<input type="text" value="RM-1085"/>	<input type="button" value="Search"/>	<input type="button" value="Download all"/>
Productcode	<input type="text" value="059X4T0"/>		
Operatorcode	<input type="text" value="000-88"/>		

Search results:

Name	Size
RM1085_1078.0053.10586.13169.12742.034EE8_retail_prod_signed.ffu	2856 MB
RM-1085 emergency-files	6 MB

> Then you will be able to monitor the download progress from the top table.

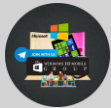
*(TIP: Do not sleep or hibernate the PC, there is a higher possibility of download files corruption if that happens)*

## Download

Download folder: **C:\ProgramData\WPinternals\Repository** [Change](#)

Currently downloading:

Name	Size	Time Left	Speed	Progress
RM1085_1078.0053.10586.13169.12742.0	2856 MB	1:43:52	469 KB/s	<div></div>
MPRG8994_fh.ede	277 KB	0:00:00	85 KB/s	<div></div>
RM1085_fh.edp	5 MB	0:00:09	442 KB/s	<div></div>



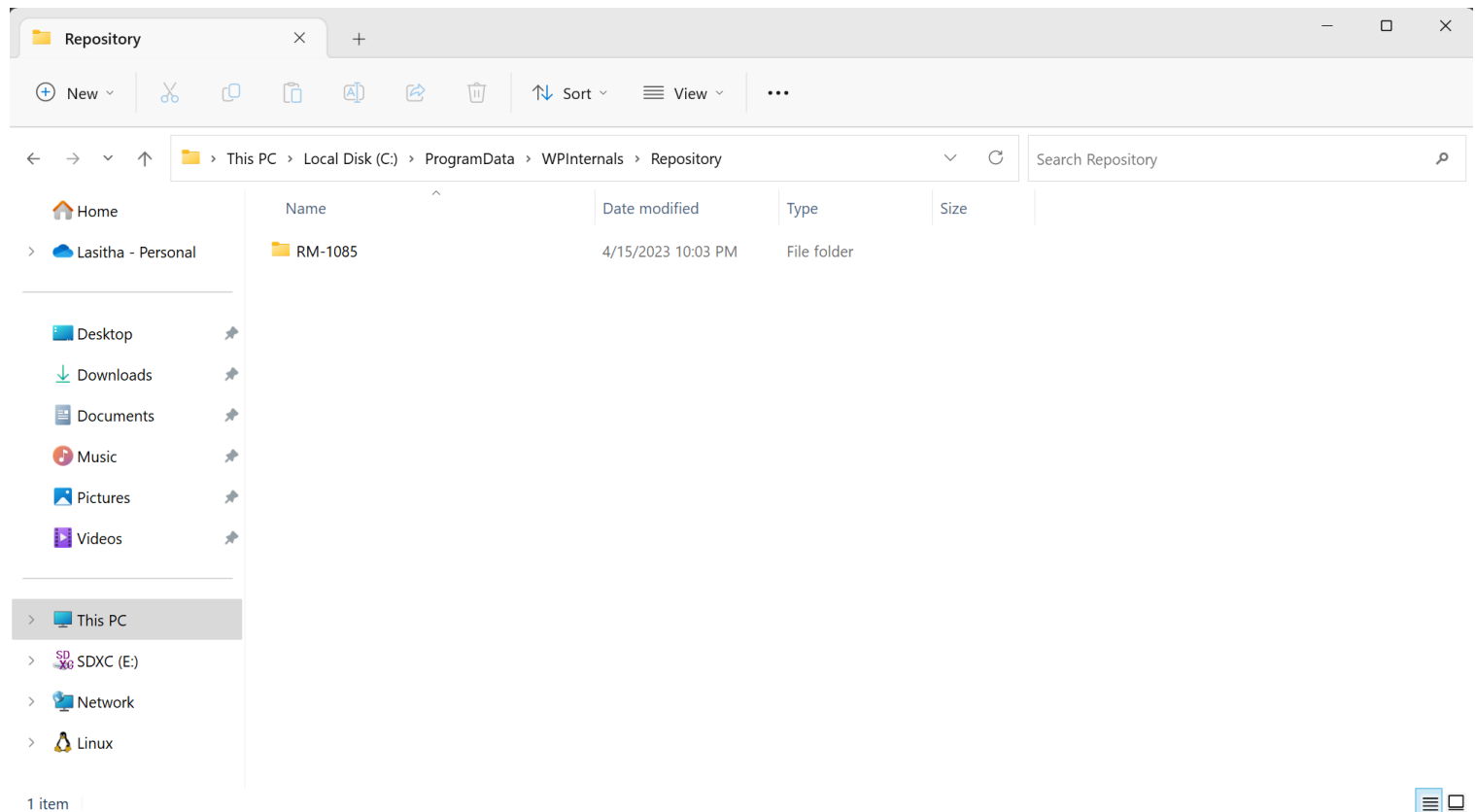
> Once the download/s are finished, you can safely close the Windows Phone Internals applications.

The downloaded files are stored in its assigned Data folder which is in the **ProgramData** in your root partition where Windows is installed.

Open file explorer of your PC and navigate to the below path;

**C:\ProgramData\WPInternals\Repository**

*(TIP: This is a hidden directory, so make sure you set "Show hidden files/folders" option to active in File explorer settings)*



All the downloaded FFUs of devices will be in their own folders named of the RM Code of your device/s.

You can then **backup them to your preferred destination!**



## Download FFU: LumiaFirmware.com

### LUMIA EXCLUSIVE

**NOTE: The website is reworked completely so it will be a tad different to what's described below.**

> Go the below website using any web browser in your PC or other device which you plan to download FFUs.

(TIP: Make sure to disable/whitelist the Adblocker of your browser if you use one)

<https://www.lumiafirmware.com/>

> Complete the captcha (Battery level & number quiz)

Search product code e.g. 059X4X7

Follow us on Twitter Feedback Donate to LumiaFirmware!

HD-500 - Display Dock

RM-1010 - Lumia 638

RM-1017 - Lumia 530

RM-1018 - Lumia 530

RM-1019 - Lumia 530 Dual SIM

RM-1020 - Lumia 530 Dual SIM

RM-1027 - Lumia 636

We're verifying if you're not a bot. Please fill in the captcha and select the charged battery. After completing the captcha you will have full access to the website (again).

Select the full battery:

☐

☐

☐

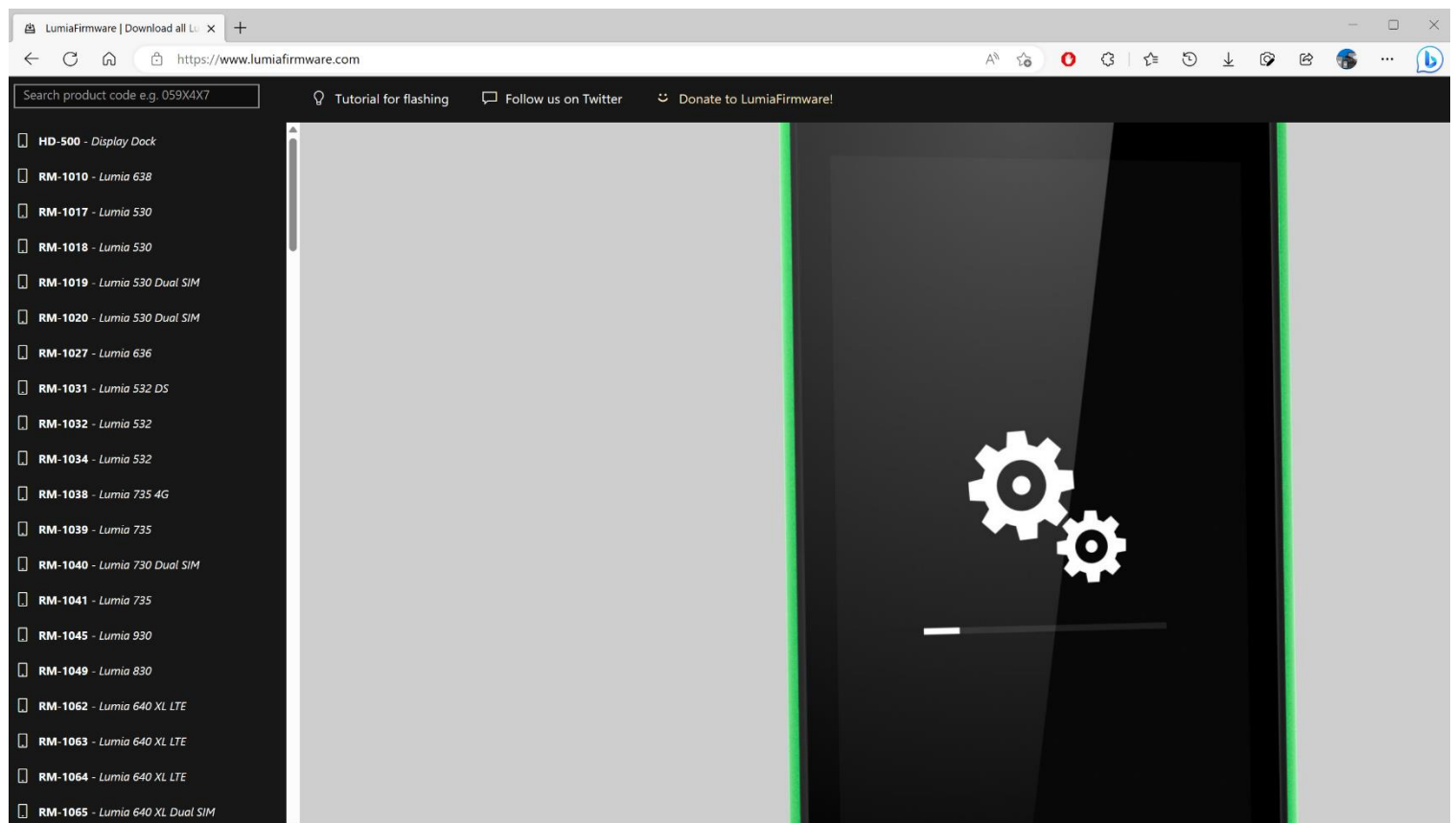
☐

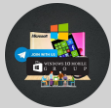
And complete the captcha:

7988

submit

Then, you will land on this page.





> I suppose you already know your Device **RM & Product code** cause this web site is all about them.

([Re-read the identifying part if you have no clue about what these are](#))

> Find and click on the 'RM Code' of your device from the left list.

[Tutorial for flashing](#)
[Follow us on Twitter](#)
[Donate to LumiaFirmware!](#)

- RM-1070 - Lumia 435
- RM-1071 - Lumia 435
- RM-1072 - Lumia 640 LTE
- RM-1073 - Lumia 640 LTE
- RM-1074 - Lumia 640 LTE
- RM-1075 - Lumia 640 Dual SIM
- RM-1077 - Lumia 640 Dual SIM
- RM-1078 - Lumia 735
- RM-1085 - Lumia 950 XL
- RM-1087 - Lumia 930
- RM-1089 - Lumia 535
- RM-1090 - Lumia 535 Dual SIM
- RM-1091 - Lumia 535
- RM-1092 - Lumia 535 Dual SIM
- RM-1096 - Lumia 640 XL LTE Dual SIM

List of all product codes: RM-1085

- 059W8M3 - PWBASSY RM-1085 LIGHT SWAP ENGINE GLOBAL
- 059X3S5 - RM-1085 GLOBAL BLACK SWAP
- 059X4T0 - RM-1085 VAR EURO 3B CV BLACK
- 059X4T1 - RM-1085 VAR EURO 3B CV WHITE
- 059X4T8 - RM-1085 VAR EURO A1 CV BLACK
- 059X4T9 - RM-1085 VAR EURO A1 CV WHITE
- 059X4V3 - RM-1085 VAR EURO 1X CV BLACK
- 059X4V4 - RM-1085 VAR EURO 1X CV WHITE
- 059X4V5 - RM-1085 VAR APAC VN CV BLACK
- 059X4V6 - RM-1085 VAR APAC VN CV WHITE
- 059X4W1 - RM-1085 VAR APAC AU TELSTRA BLACK
- 059X4W2 - RM-1085 VAR APAC AU TELSTRA WHITE
- 059X4W8 - RM-1085 VAR EURO PL PLAY BLACK
- 059X4W9 - RM-1085 VAR EURO PL PLAY WHITE
- 059X4X3 - RM-1085 VAR IMEA ZA MTN BLACK
- 059X4X4 - RM-1085 VAR IMEA ZA MTN WHITE
- 059X4X5 - RM-1085 VAR EURO A2 CV WHITE
- 059X4X6 - RM-1085 VAR EURO A2 CV BLACK

> Once all the 'product codes' available for that 'RM Code' are loaded, find the matching 'product code' from your device and click it as well.

Then it will load another pane to the right showing the details of the selected product code.

- 059W8M3 - PWBASSY RM-1085 LIGHT SWAP ENGINE GLOBAL
- 059X3S5 - RM-1085 GLOBAL BLACK SWAP
- 059X4T0 - RM-1085 VAR EURO 3B CV BLACK
- 059X4T1 - RM-1085 VAR EURO 3B CV WHITE
- 059X4T8 - RM-1085 VAR EURO A1 CV BLACK
- 059X4T9 - RM-1085 VAR EURO A1 CV WHITE
- 059X4V3 - RM-1085 VAR EURO 1X CV BLACK
- 059X4V4 - RM-1085 VAR EURO 1X CV WHITE
- 059X4V5 - RM-1085 VAR APAC VN CV BLACK

**Phone model:** Lumia 950 XL  
**PackageTitle:** RM-1085 VAR EURO 3B CV BLACK  
**Product Code:** 059X4T0  
**manufacturerHardwareModel:** RM-1085  
**Last Firmware:** 01078.00053.16236.35018  
**OperatorName:** 000-DK, 000-FI, 000-IS, 000-NO, 000-SE,

**List of Firmware** - [Click for download links](#)

01078.00053.16236.35018 - OS 10.0.10586.318  
01078.00038.16082.36017 - No info  
01078.00038.16025.39017 - No info

There, in the list of firmware part, click on the software version you want (*Newer the better unless you have a specific reason*)

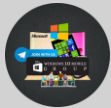
## List of Firmware - [Click for download links](#)

01078.00053.16236.35018 - OS 10.0.10586.318

01078.00038.16082.36017 - No info

01078.00038.16025.39017 - No info





> Then it will show the below prompt and will take a second or two.

## Retrieve the links please wait...

Once loaded, it will show a list of files.

> Download the one that has **.FFU** extension by clicking on it.

**Download url's for Firmware:** 01078.00053.16236.35018 - *The links are valid for 5 minutes*

Download - 040-126269\_RM-1085\_RoW\_SS\_Generic\_01\_dark.png  
Download - 040-126269\_RM-1085\_RoW\_SS\_Generic\_01\_light.png  
Download - 12625201.pcx  
Download - CustomerNvi\_01078.00053.16236.35018\_12742\_22bc6e97beecad0dd1b91cd279e6f9b1.nvi  
Download - DC\_TZ\_MS\_WP\_Template\_Lumia\_v1.bin  
Download - MS\_MirrorLink\_template\_prod\_v3.cer  
Download - RM1085\_059X4T0\_01078.00053.16236.35018\_690.dcp  
Download - RM1085\_059X4T0\_01078.00053.16236.35018\_690.signature.bin  
Download - RM1085\_059X4T0\_01078.00053.16236.35018\_690.vpl  
Download - RM1085\_1078.0053.10586.13169.12742.034EE8\_retail\_prod\_signed.ffa  
Download - RetailModeNvi\_1\_01078.00053.16236.35018\_12742\_1b90ff422f2d0673584aad392ecf4b13.nvi  
Download - RoW\_SS\_RM-1085\_002.xml  
Download - WP10\_simlock\_3gstandard\_bb5\_crcA59A.bin

> Then the download will start!

### | TIP

If you download through browser, it can take couple of hours due to slow speed.

Instead, I suggest you to use an Internet Download Manager to download the file as that can make considerable change in speed.

### | FFU Software versions

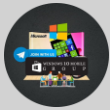
LUMIA 550, 650, 950 & 950 XL devices will have Windows 10 Mobile 1511 based FFUs

LUMIA 640, 640 XL, 735, 830 will have Windows Phone 8.1 Update 2 Based FFUs

Every other LUMIA device will have Windows Phone 8.1 Update 1 Based FFUs

*(Some older LUMIA models can have really old Software versions in their FFUs such as the base Windows Phone 8.1 OR even Windows Phone 8)*





## Download FFU: Windows Device Recovery Tool [DEPRECATED]

ANY WINDOWS PHONE

**NOTE: Microsoft has retired their package repository servers, as a result this method no longer works.**

Download WDRT if not installed.



MICROSOFT



W.U.T



MEGA

Usually, Windows Device Recovery Tool is used to recover a bricked device or to start fresh by re-flashing the device.

Although, it can also be used to get the FFU package of your device as well!

### | Previously used WDRT to recover your device?

If you haven't changed PC or uninstalled the software, you may still have the packages WDRT used to recover your device still stored in your PC.

If it is, [then skip to this STEP to get FFU](#).

> Connect your Windows Phone to PC via a USB Connection.

> Then open Windows Device Recovery Tool (WDRT)

> Make sure way up to the downloading the package step via following on-screen prompts.

Let it download the package.

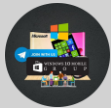
# Downloading package

Downloading files: 474.58 MB/1.62 GB (12109.49 kB/s)



About one minute left

Cancel



> When the download finishes, WDRT will prepare to flash your device which we don't want to do.

SO, when the WDRT change displays to **"Rebooting the phone to Flashing Mode"**; **Disconnect your WP Device from the PC.**

## Software package installation

Switching the phone to flashing mode



Do not use your phone. Do not disconnect the cable. Do not switch off the phone. Otherwise your phone may stop working.

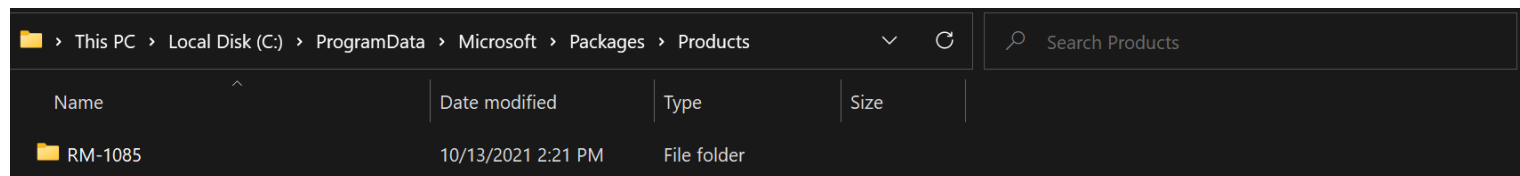
During the installation, your phone restarts and the screen goes blank. You can ignore all Windows notifications about USB cable connection.

Now to locate the downloaded packages of your device.

> Open File Explorer in your PC and navigate to the below path in your root partition where Windows is installed.

**C:\ProgramData\Microsoft\Packages\Products**

*(TIP: This is a hidden directory, so make sure you set "Show hidden files/folders" option to active in File explorer settings)*



### | NOTE

If your device is an OTHER-OEM WP Device (NON-LUMIA Windows Phone), then the path to your FFU package differs.

**C:\ProgramData\DEVICEMANUFACTURER\Packages\**

*(DEVICEMANUFACTURER should be the name of the device maker, like Alcatel, HP, HTC, etc...)*

Some examples;

If it's HP, then the path is : **C:\ProgramData\HP\Packages\**

If it's Alcatel : **C:\ProgramData\Alcatel\Packages\**





## Download FFU: Cellmania.com [DEPRECATED]

LUMIA EXCLUSIVE

**NOTE: Microsoft has retired their package repository servers, as a result this method no longer works.**

> Go the below website using any web browser in your PC or other device which plan to download FFUs.

(TIP: Make sure to disable/whitelist the Adblocker of your browser if you use one)

<http://cellomania.com/ffu/>

I suppose you already know the 'product code' of your device.

(If you don't know what that is, then re-read the [identifying part](#))

> Type your 'product code' in the input box & press OK.



### Nokia and Windows Phone Firmware Downloader v 4.6

Experimental version

product code (eg:059W553) LG\_Model (eg:VW820)

OK

> After a while, a list of files will appear.

In the list, download the file that has the **.FFU** extension by clicking on it.

059X4T0

OK

**Product code: 059X4T0**  
 Lumia 950 XL  
 RM-1085  
 WP10  
 RM-1085 VAR EURO 3B CV BLACK  
 01078.00053.16236.35018

<a href="#">040-126269_RM-1085_RoW_SS_Generic_01_dark.png</a>	21.76 KB
<a href="#">040-126269_RM-1085_RoW_SS_Generic_01_light.png</a>	21.10 KB
<a href="#">12625201.pcx</a>	5.60 KB
<a href="#">CustomerNvi_01078.00053.16236.35018_12742_22bc6e97beecad0dd1b91cd279e6f9b1.nvi</a>	124.24 KB
<a href="#">DC_TZ_MS_WP_Template_Lumia_v1.bin</a>	1.08 KB
<a href="#">MS_MirrorLink_template_prod_v3.cer</a>	1.11 KB
<a href="#">RM1085_059X4T0_01078.00053.16236.35018_690.dcp</a>	1.57 KB
<a href="#">RM1085_059X4T0_01078.00053.16236.35018_690.signature.bin</a>	477 Bytes
<a href="#">RM1085_059X4T0_01078.00053.16236.35018_690.vpl</a>	4.85 KB
<a href="#">RM1085_1078.0053.10586.13169.12742.034EE8_retail_prod_signed.fff</a>	2.79 GB
<a href="#">RetailModeNvi_1_01078.00053.16236.35018_12742_1b90ff422f2d0673584aad392ecf4b13.nvi</a>	1.36 KB
<a href="#">RoW_SS_RM-1085_002.xml</a>	3.46 KB
<a href="#">WP10_simlock_3gstandard_bb5_crcA59A.bin</a>	964 Bytes

Expiration: 2014-02-14 nM=&se=202 UTC





## Download FFU: Archive.org

### OTHER-OEM EXCLUSIVE

> Go to the below website using any web browser in your PC or other device which you plan to download FFUs

[https://archive.org/details/W10M\\_FFUs/](https://archive.org/details/W10M_FFUs/)

From this archive, you can mainly download most of the FFUs of **NON-LUMIA OTHER-OEM Windows Phones**.

*(Recommended to use the torrent option and use any client for selective download)*

Windows Mobile 10 Retail Signed FFUs

Model / Modelo: RM-1085  
FCC ID: PYARM-1085

NOM NYCE R-NZ

CE 0168 ! X

1 / 12

Windows Mobile 10 Retail Signed FFUs

Topics: Windows 10 Mobile, Windows, FFU, Lumia, Windows Mobile

This archive is solely for backing up/archiving Firmware packages for Windows 10 Mobile devices (e.g. Lumia phones, HP Elite X3).

Updating this page with new FFUs will take time, there are loads out there for many different variants.

3,320 Views  
5 Favorites





## Download LUMIA Emergency files

You could have downloaded the emergency files using some of the same methods used above to download FFU packages.

**BUT;**

We encourage you to use the below download options instead as these are the **latest & correctly sorted** Emergency files for every LUMIA Device.



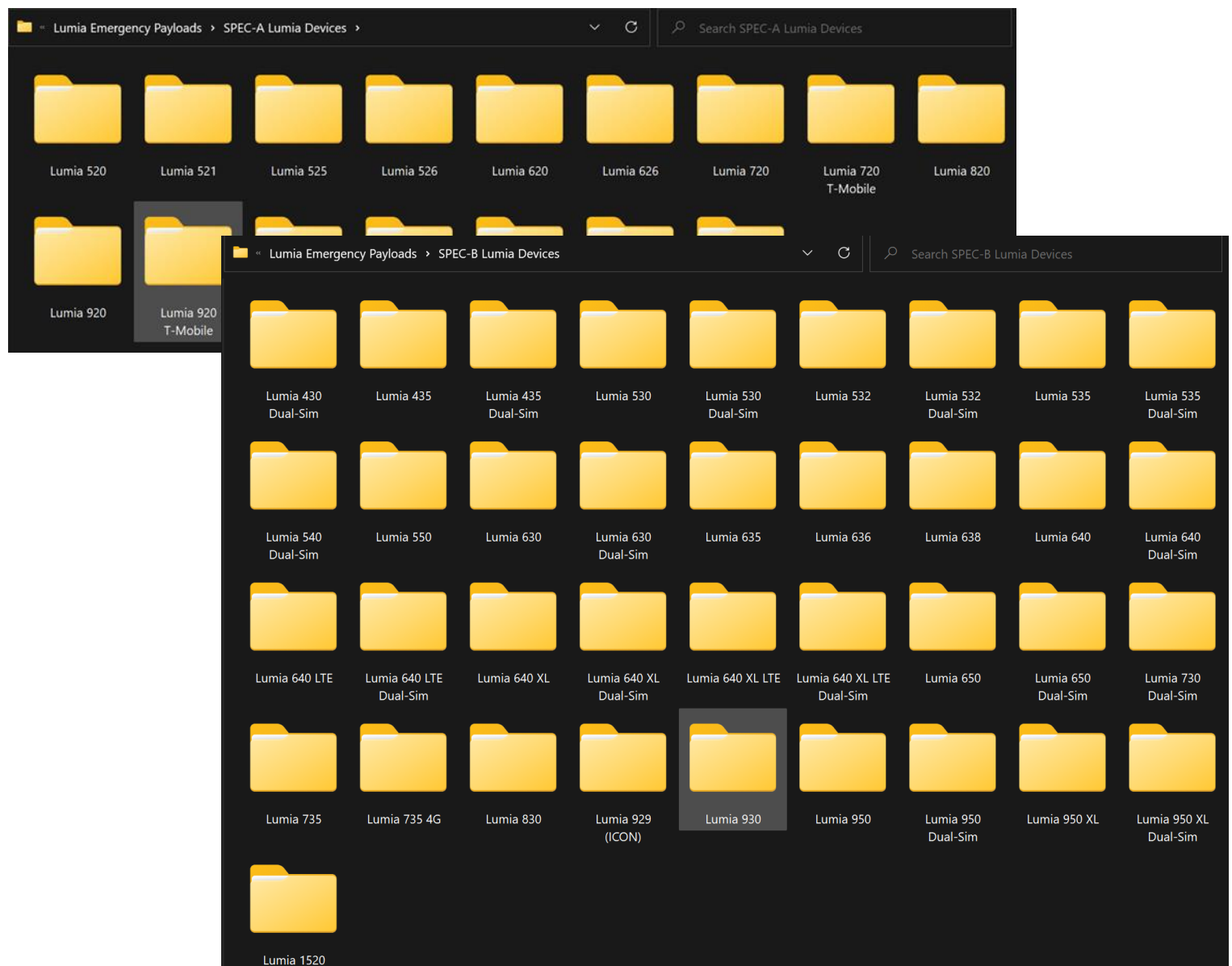
W.U.T



MEGA

Original upload: [Protobetatest](#)

Credits: Gustave Monce





## (SPEC-A) LUMIA Engineering SBL3 IMG/BIN

If your device is among the below list of models, then you will need to download this one too.

### Lumia models with Bootloader Spec A

- Lumia 520, 521, 525, 526
- Lumia 620, 625
- Lumia 720
- Lumia 820, 822
- Lumia 920, 925, 928
- Lumia 1020
- Lumia 1320

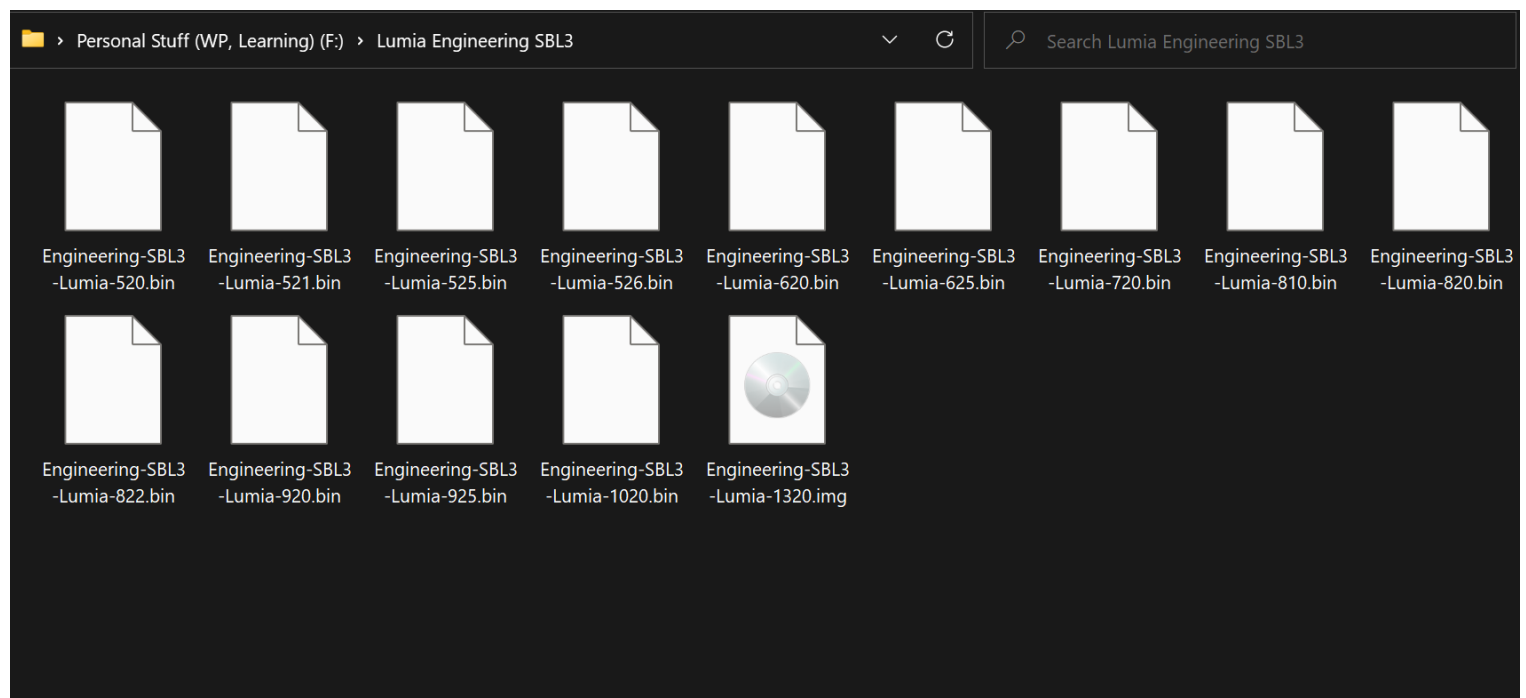
### Download Engineering SBL3 IMG/BIN



W.U.T



MEGA





## Credits

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- ✓ Heathcliff74 & Gustave Monce for Windows Phone Internals.
- ✓ Microsoft for Windows Device Recovery Tool.
- ✓ All Site owners and contributors of used/mentioned Sites.

That's all for this Guide!

# THANK YOU!!

*Lasitha Samarasinghe*

